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United States
Department of
Agriculture

**Natural
Resources
Conservation
Service**

Oregon
Annual Data Summary
Water Year 1994

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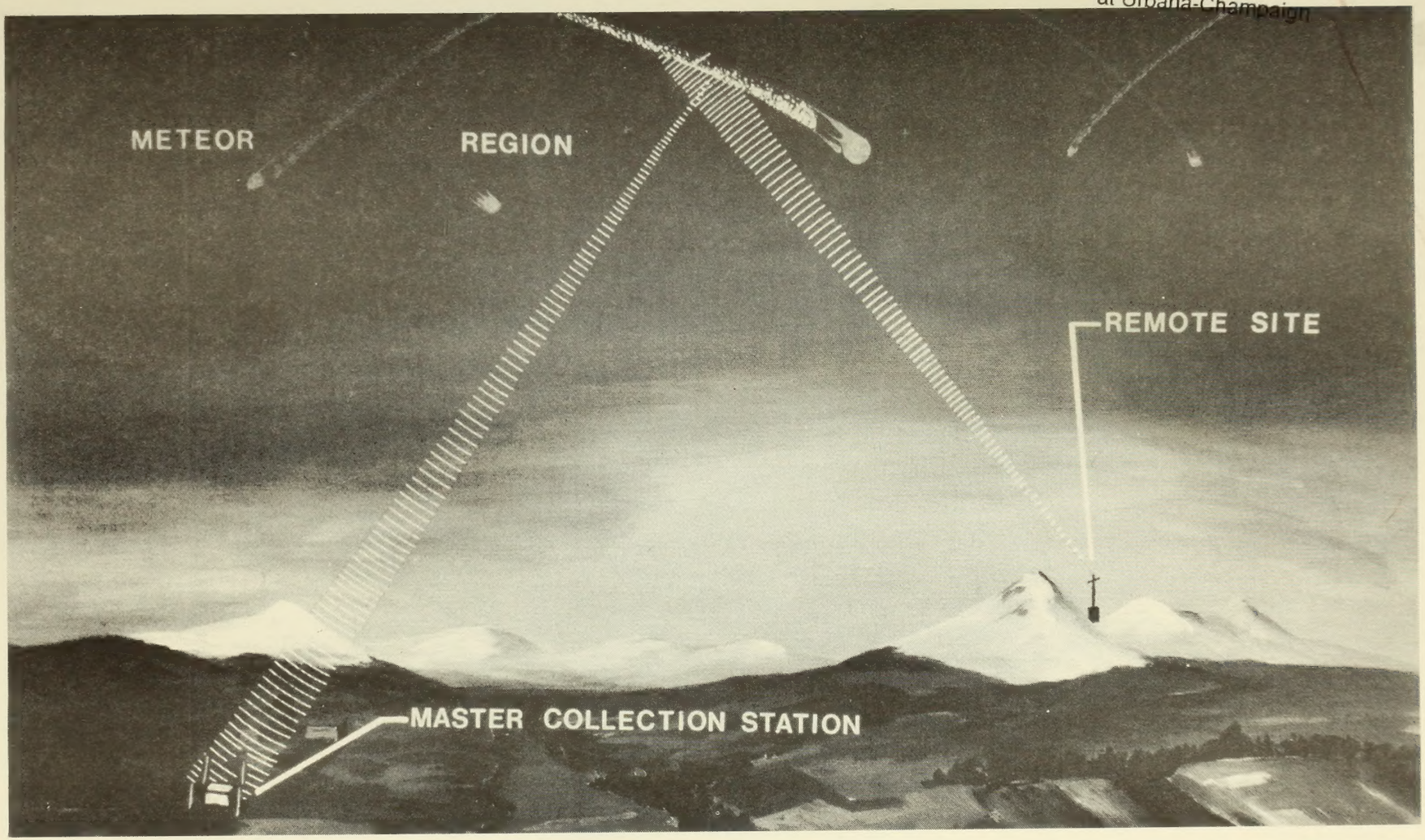

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Oregon
Cooperative Snow Survey Data
of
Federal - State - Private
Cooperative Snow Surveys

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Introduction

Natural Resources Conservation Service Data Collection Network

The Natural Resources Conservation Service (NRCS) has operated the Federal-State-Private Cooperative Snow Survey Program in the western United States since 1935. Utilizing a network of automated SNOTEL (SNOwpack TELemetry) data collection sites, manual snow courses and storage precipitation gauges, NRCS collects, analyzes, and manages snowpack and climatic data in support of water supply forecasting and other resource management activities.

Initially, over 2000 snow courses were established to collect information on mountain snowpack which provides over 75 percent of the West's water supply. The current network consists of approximately 800 active snow courses. Since the late 1970's, over 570 SNOTEL sites have been installed to enhance the network—in many cases replacing existing snow courses. These remote stations not only provide more timely information, they also offer the opportunity to collect additional data needed for management of our natural resources.

SNOTEL Sites

A standard SNOTEL site consists of a snow pillow, a storage-type precipitation gauge, air temperature sensor, and a small shelter for housing the electronics. Additional parameters such as soil moisture, soil temperature, wind, humidity, and solar radiation are monitored at certain stations for specific applications. SNOTEL sites report on a daily or more frequent basis. The following is an explanation of the standard parameters measured at all SNOTEL sites.

Snow Water Equivalent (SWE): A snow pillow measures the snow water equivalent of the overlying snowpack. Snow pillows are "envelopes" of stainless steel or synthetic rubber (hypalon) containing an antifreeze solution. SWE is calculated by measuring the pressure exerted on these pillows by the weight of the snow. Hypalon snow pillows range in size from 6, 8, 10, or 12 feet in diameter with the larger pillows used in heavier snow accumulation zones. Stainless steel pillows are 4 feet x 5 feet and usually configured in groups of two, three, or four depending on snow depth.

Precipitation: The standard SNOTEL precipitation gauge is designed to store the expected annual precipitation at a specific site. The liquid equivalent (in inches) of rainfall, snow, sleet, or hail is measured by the gauge. The gauge is 12 inches in diameter with an alter shield at the orifice to reduce wind effect on precipitation catch. The height of SNOTEL precipitation gauges is designed to be at least three feet above the maximum expected depth of the snowpack, resulting in total gauge heights of 8, 12, 16, 20, 24, 28, and 32 feet.

Temperature: Daily maximum, minimum, and average ambient air temperatures are collected at each site with a self-aspirating shielded temperature sensor.

Snow Courses

Snow courses are permanently marked locations where snow depth and SWE are measured. Most snow courses consist of five to ten sample points. Individual measurements are averaged to derive one value of snow depth and SWE for each snow course. Typically, snow courses are measured near the first of the month from January to June, with mid-month measurements conducted at some locations.

Manual Precipitation Gauges

Manually measured precipitation gauges have a 6-, 8-, or 10-inch orifice. Most gauges have an alter shield to diminish the wind effect on precipitation catch. The gauges are measured near the end of the month to determine an approximate monthly precipitation total.

SNOTEL SWE's - WY 1994 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	SNOWPACK START DATE	SNOWPACK MAX SWE	SNOWPACK MAX DATE	SNOWPACK MELTOUT DATE
ANEROID LAKE #2	7300	1st	.0	.0	3.6	9.5	13.8	20.8	23.0	24.6	13.2	.0	.0	.0				
		15th	.0	1.9	8.6	12.6	15.4	21.2	25.0	18.3	.0	.0	.0	.0	11/13	25.0	4/16	6/14
ARBUCKLE MTN	5400	1st	.0	.0	1.9	5.1	7.9	11.3	11.8	.0	.0	.0	.0	.0				
		15th	.0	.2	4.7	7.8	8.6	11.3	9.7	.0	.0	.0	.0	.0	11/13	14.1	3/22	4/21
BEAVER RESERVOIR	5150	1st	.0	.0	1.6	2.5	6.2	8.7	8.0	.0	.0	.0	.0	.0				
		15th	.0	.0	2.3	5.8	6.8	8.4	2.5	.0	.0	.0	.0	.0	11/19	9.4	3/29	4/17
BIG RED MOUNTAIN	6250	1st	.0	.0	2.0	9.4	12.3	18.2	19.4	15.4	.0	.0	.0	.0				
		15th	.0	.0	9.1	10.5	14.4	18.1	19.5	.0	.0	.0	.0	.0	11/17	20.1	4/11	5/15
BIGELOW CAMP	5120	1st	.0	.0	.9	3.2	1.5	8.0	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	2.9	3.6	4.0	2.1	.0	.0	.0	.0	.0	.0	11/18	8.5	2/28	3/29
BILLIE CREEK DIVIDE	5300	1st	.0	.0	1.4	3.4	8.6	13.9	11.2	.0	.0	.0	.0	.0				
		15th	.0	.0	3.6	7.7	10.2	11.4	9.2	.0	.0	.0	.0	.0	11/22	13.9	3/1	4/28
BLAZED ALDER	3650	1st	.0	.0	4.2	7.1	9.0	25.0	25.0	13.5	.0	.0	.0	.0				
		15th	.0	.0	6.8	10.8	13.0	23.2	25.3	.0	.0	.0	.0	.0	11/17	27.7	3/26	5/13
BLUE MOUNTAIN SPRING	5900	1st	.0	.0	2.0	6.1	9.2	12.8	10.0	.0	.0	.0	.0	.0				
		15th	.0	.0	5.9	8.9	10.2	11.8	7.3	.0	.0	.0	.0	.0	11/22	12.8	3/2	4/22
BOURNE	5800	1st	.0	.0	.9	5.1	8.6	13.1	10.5	.0	.0	.0	.0	.0				
		15th	.0	.0	5.0	8.4	9.1	12.3	8.5	.0	.0	.0	.0	.0	11/22	13.1	3/4	4/24
BOWMAN SPRINGS	4580	1st	.0	.0	2.2	2.4	3.5	7.0	2.5	.0	.0	.0	.0	.0				
		15th	.0	.0	2.2	4.5	3.2	6.3	.0	.0	.0	.0	.0	.0	11/17	7.0	3/1	4/6
CASCADE SUMMIT	4880	1st	.0	.0	3.4	8.8	13.5	20.6	21.4	12.9	.0	.0	.0	.0				
		15th	.0	.1	8.0	13.3	15.8	19.1	22.2	.0	.0	.0	.0	.0	11/14	22.8	4/12	5/14
CHEMULT ALTERNATE	4760	1st	.0	.0	.9	3.6	5.5	6.9	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	3.7	5.2	6.0	1.3	.0	.0	.0	.0	.0	.0	11/22	7.0	2/28	3/26
CLACKAMAS LAKE	3400	1st	.0	.0	2.5	4.2	2.4	8.8	5.7	.0	.0	.0	.0	.0				
		15th	.0	.0	3.5	5.2	2.8	6.5	1.2	.0	.0	.0	.0	.0	11/17	8.9	2/28	4/18
CLEAR LAKE	3500	1st	.0	.0	.7	5.0	5.8	8.7	6.5	.0	.0	.0	.0	.0				
		15th	.0	.0	4.5	7.5	5.9	7.6	3.9	.0	.0	.0	.0	.0	11/17	9.0	3/26	4/20

* - Permanent snowpack commenced in prior Water Year.

SNOTEL SWE's - WY 1994 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	SNOWPACK START DATE	SNOWPACK MAX SWE	SNOWPACK MAX DATE	SNOWPACK MELTOUT DATE
COLD SPRINGS CAMP	6100	1st	.0	.0	1.9	7.5	12.5	19.7	13.9	.0	.0	.0	.0	.0				
		15th	.0	.0	6.6	11.8	14.9	15.2	12.1	.0	.0	.0	.0	.0	11/21	19.7	3/1	5/1
COUNTY LINE	4800	1st	.0	.0	1.3	1.9	3.8	6.6	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	1.5	3.8	4.3	2.7	.0	.0	.0	.0	.0	.0	11/15	6.7	2/28	3/29
DALY LAKE	3600	1st	.0	.0	.9	1.8	1.8	8.7	8.0	.0	.0	.0	.0	.0				
		15th	.0	.0	2.4	4.4	3.9	5.8	4.6	.0	.0	.0	.0	.0	11/15	10.2	3/25	4/22
DERR.	5670	1st	.0	.0	1.7	5.2	7.2	8.7	7.5	.0	.0	.0	.0	.0				
		15th	.0	.0	4.8	7.0	7.6	8.6	2.3	.0	.0	.0	.0	.0	11/17	10.2	3/27	4/19
DIAMOND LAKE	5315	1st	.0	.0	1.1	5.0	7.7	9.8	3.5	.0	.0	.0	.0	.0				
		15th	.0	.0	5.2	8.0	9.3	5.6	.0	.0	.0	.0	.0	.0	11/22	9.9	2/28	4/13
EILERTSON MEADOWS	5400	1st	.0	.0	1.1	3.1	5.3	7.0	3.8	.0	.0	.0	.0	.0				
		15th	.0	.0	2.8	4.8	5.8	6.6	1.6	.0	.0	.0	.0	.0	11/29	7.1	3/12	4/17
EMIGRANT SPRINGS	3925	1st	.0	.0	.9	.3	2.9	5.8	.0	.0	.0	.0	.0	.0				
		15th	.0	.1	.0	3.2	3.0	1.8	.0	.0	.0	.0	.0	.0	12/30	5.8	3/1	3/29
FISH CREEK	7900	1st	.0	.0	2.2	5.5	8.9	14.7	16.6	15.9	.0	.0	.0	.0				
		15th	.0	.1	5.2	8.7	12.1	15.1	19.0	2.7	.0	.0	.0	.0	11/21	19.0	4/17	5/27
FISH LK.	4665	1st	.0	.0	.9	3.3	5.9	9.6	.6	.0	.0	.0	.0	.0				
		15th	.0	.0	3.4	6.0	5.8	3.6	.0	.0	.0	.0	.0	.0	11/20	9.6	3/1	4/6
FOURMILE LAKE	6000	1st	.0	.0	2.1	6.5	11.5	17.8	14.3	4.5	.0	.0	.0	.0				
		15th	.0	.0	5.9	10.8	12.8	15.6	13.4	.0	.0	.0	.0	.0	11/21	17.8	3/3	5/8
GOLD CENTER	5340	1st	.0	.0	.6	3.5	5.7	7.7	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	3.4	5.5	6.2	4.5	.0	.0	.0	.0	.0	.0	11/29	7.9	2/28	4/1
GREENPOINT	3200	1st	.0	.0	2.3	5.1	5.0	15.7	15.3	.0	.0	.0	.0	.0				
		15th	.0	.0	4.4	5.3	6.9	14.5	9.3	.0	.0	.0	.0	.0	11/16	17.2	3/26	4/26
HIGH RIDGE	4980	1st	.0	.0	2.8	5.1	12.3	21.9	20.8	.0	.0	.0	.0	.0				
		15th	.0	.4	4.4	11.0	13.9	21.3	18.9	.0	.0	.0	.0	.0	11/13	23.0	3/27	4/25
HOGG PASS	4760	1st	.0	.0	4.3	9.4	13.5	22.6	27.5	20.8	.0	.0	.0	.0				
		15th	.0	.3	8.6	14.9	15.8	23.3	29.1	1.4	.0	.0	.0	.0	11/14	29.2	4/11	5/21

* - Permanent snowpack commenced in prior Water Year.

SNOTEL SWE's - WY 1994 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	SNOWPACK START DATE	SNOWPACK MAX SWE	SNOWPACK MAX DATE	SNOWPACK MELTOUT DATE
HOLLAND MEADOWS	4900	1st	.0	.0	2.2	6.2	9.0	18.5	11.1	.0	.0	.0	.0	.0				
		15th	.0	.0	5.9	9.1	11.5	10.9	11.4	.0	.0	.0	.0	.0	11/17	19.6	2/27	5/1
IRISH TAYLOR	5500	1st	.0	.0	2.6	7.9	13.4	20.9	23.7	23.9	7.0	.0	.0	.0				
		15th	.0	.0	6.8	13.5	16.1	20.9	26.1	16.7	.0	.0	.0	.0	11/16	26.1	4/15	6/10
JUMP OFF JOE	3500	1st	.0	.0	1.8	2.8	3.2	8.2	4.1	.0	.0	.0	.0	.0				
		15th	.0	.0	2.3	3.7	5.1	5.0	.0	.0	.0	.0	.0	.0	11/16	8.4	2/24	4/13
KING MOUNTAIN	4000	1st	.0	.0	.0	1.5	.0	2.1	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	2.0	.8	.9	.0	.0	.0	.0	.0	.0	.0	12/4	3.9	2/24	3/3
LAKE CREEK R.S.	5200	1st	.0	.0	1.2	4.6	7.6	9.0	2.7	.0	.0	.0	.0	.0				
		15th	.0	.0	4.5	7.2	7.6	7.8	.0	.0	.0	.0	.0	.0	11/17	9.2	2/27	4/5
LITTLE MEADOWS	4000	1st	.0	.0	3.0	7.2	6.6	16.9	14.5	1.1	.0	.0	.0	.0				
		15th	.0	.1	6.1	9.0	8.7	13.8	13.9	.0	.0	.0	.0	.0	11/13	17.4	2/24	5/10
LUCKY STRIKE	5050	1st	.0	.0	1.2	1.9	5.4	6.5	.8	.0	.0	.0	.0	.0				
		15th	.0	.0	2.2	4.2	4.6	4.7	.0	.0	.0	.0	.0	.0	11/17	6.5	3/1	4/3
MADISON BUTTE	5250	1st	.0	.0	.9	2.7	3.6	3.6	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	2.5	2.7	3.2	.0	.0	.0	.0	.0	.0	.0	11/23	3.6	3/1	3/15
MARION FORKS	2600	1st	.0	.0	1.3	.0	.0	5.1	3.0	.0	.0	.0	.0	.0				
		15th	.0	.0	.7	1.4	.5	3.1	.0	.0	.0	.0	.0	.0	12/30	5.8	2/25	4/14
MCKENZIE	4800	1st	.0	.0	2.1	8.1	14.6	25.4	28.0	22.2	.0	.0	.0	.0				
		15th	.0	.2	7.7	14.6	17.8	24.5	31.1	4.1	.0	.0	.0	.0	11/12	31.9	4/11	5/23
MOSS SPRINGS	5850	1st	.0	.0	2.9	6.7	16.0	22.2	20.5	12.7	.0	.0	.0	.0				
		15th	.0	.3	5.6	15.5	16.8	23.5	19.6	.6	.0	.0	.0	.0	11/13	23.8	3/7	5/16
MT HOOD TEST SITE	5400	1st	.0	.0	6.7	17.9	31.0	46.3	53.3	53.5	23.3	.0	.0	.0				
		15th	.0	.2	15.8	29.4	32.7	47.0	57.7	38.9	15.6	.0	.0	.0	11/11	57.7	4/15	6/29
MT. HOWARD	7910	1st	.0	.0	2.3	5.9	7.2	9.6	9.2	7.5	.0	.0	.0	.0				
		15th	.0	.8	4.5	7.4	7.5	9.3	9.9	.0	.0	.0	.0	.0	11/8	9.9	4/16	5/13
MUD RIDGE	3800	1st	.0	.0	3.2	6.9	9.8	18.7	17.1	6.7	.0	.0	.0	.0				
		15th	.0	.0	6.1	10.0	11.1	16.5	16.3	.0	.0	.0	.0	.0	11/15	19.7	3/24	5/9

* - Permanent snowpack commenced in prior Water Year.

SNOTEL SWE's - WY 1994 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	SNOWPACK START DATE	SNOWPACK MAX SWE	SNOWPACK MAX DATE	SNOWPACK MELTOUT DATE
NEW CRESCENT LAKE	4800	1st	.0	.0	.9	3.9	5.2	6.5	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	3.8	6.1	5.8	1.2	.0	.0	.0	.0	.0	.0	11/20	7.0	2/25	3/28
NORTH FORK	3120	1st	.0	.0	1.8	1.9	.0	14.7	12.6	.0	.0	.0	.0	.0				
		15th	.0	.3	3.6	.0	3.0	10.2	9.8	.0	.0	.0	.0	.0	11/13	16.6	2/26	1/10
OCHOCO MEADOWS	5200	1st	.0	.0	1.7	3.9	5.7	7.9	2.8	.0	.0	.0	.0	.0				
		15th	.0	.2	3.3	5.6	5.4	5.6	.0	.0	.0	.0	.0	.0	11/13	8.0	2/28	4/15
PEAVINE RIDGE	3500	1st	.0	.0	2.3	3.8	6.4	9.4	6.1	.0	.0	.0	.0	.0				
		15th	.0	.0	3.0	7.3	7.2	6.5	1.2	.0	.0	.0	.0	.0	11/17	10.0	2/26	4/16
QUARTZ MOUNTAIN	5700	1st	.0	.0	.4	.0	.0	1.6	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	1.8	.0	.9	.0	.0	.0	.0	.0	.0	.0	12/30	1.9	12/14	3/4
RAILROAD OVERPASS	2750	1st	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	.0	.0	.3	.0	.0	.0	.0	.0	.0	.0	12/30	.7	2/14	2/25
RED HILL	4400	1st	.0	.0	4.6	9.7	18.9	37.1	41.3	34.4	.0	.0	.0	.0				
		15th	.0	.0	8.8	19.2	22.4	36.7	43.1	15.9	.0	.0	.0	.0	11/17	43.1	4/18	5/28
ROARING RIVER	4900	1st	.0	.0	2.2	6.4	11.8	20.2	21.6	12.4	.0	.0	.0	.0				
		15th	.0	.1	5.8	11.1	14.5	19.5	21.9	.0	.0	.0	.0	.0	11/13	23.3	4/11	5/11
ROCK SPRINGS	5100	1st	.0	.0	.4	1.3	.7	1.9	.0	.0	.0	.0	.0	.0				
		15th	.0	.1	2.0	1.9	1.6	.0	.0	.0	.0	.0	.0	.0	11/22	2.1	12/13	3/8
SADDLE MOUNTAIN	3250	1st	.0	.0	.0	.0	.0	4.3	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	.7	.0	2.5	.0	.0	.0	.0	.0	.0	.0	12/30	6.9	2/24	3/31
SALT CREEK FALLS	4000	1st	.0	.0	1.8	5.1	6.0	10.6	11.2	.0	.0	.0	.0	.0				
		15th	.0	.0	4.8	7.4	8.2	9.8	9.6	.0	.0	.0	.0	.0	11/18	12.4	3/26	4/30
SANTIAM JCT.	3750	1st	.0	.0	2.3	4.2	5.8	12.5	6.3	.0	.0	.0	.0	.0				
		15th	.0	.1	4.4	6.2	7.7	8.2	.0	.0	.0	.0	.0	.0	11/13	12.8	2/25	4/15
SCHNEIDER MEADOWS	5400	1st	.0	.0	2.9	10.8	17.7	25.0	23.4	11.4	.0	.0	.0	.0				
		15th	.0	.1	9.8	16.5	18.7	24.5	21.2	.0	.0	.0	.0	.0	11/14	25.5	3/7	5/13
SEINE CREEK	2000	1st	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	.0	12/30	1.8	2/25	3/1

* - Permanent snowpack commenced in prior Water Year.

SNOTEL SWE's - WY 1994 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	SNOWPACK START DATE	SNOWPACK MAX SWE	SNOWPACK MAX DATE	SNOWPACK MELTOUT DATE
SEVENMILE MARSH	6200	1st	.0	.0	2.6	8.3	13.7	20.9	17.8	9.1	.0	.0	.0	.0				
		15th	.0	.0	7.3	11.8	14.7	18.1	17.2	.0	.0	.0	.0	.0	11/20	20.9	3/1	5/11
SILVER CREEK	5720	1st	.0	.0	.2	3.7	5.4	7.6	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	3.4	5.8	5.1	5.1	.0	.0	.0	.0	.0	.0	11/21	7.7	3/2	4/1
SILVIES	6900	1st	.0	.0	2.2	5.0	6.8	14.4	12.5	5.5	.0	.0	.0	.0				
		15th	.0	.0	4.0	7.0	10.9	13.8	12.4	.0	.0	.0	.0	.0	11/18	14.4	3/2	5/8
SNOW MOUNTAIN	6220	1st	.0	.0	1.1	2.7	4.8	6.3	5.0	.8	.0	.0	.0	.0				
		15th	.0	.0	2.5	4.1	4.9	6.2	4.7	.0	.0	.0	.0	.0	11/22	6.3	3/9	4/20
STARR RIDGE	5300	1st	.0	.0	1.1	3.3	4.3	5.8	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	3.0	4.4	5.2	2.0	.0	.0	.0	.0	.0	.0	11/19	6.0	2/26	3/19
STRAWBERRY	5760	1st	.0	.0	.4	2.0	2.0	3.4	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	1.6	2.4	3.2	.0	.0	.0	.0	.0	.0	.0	11/29	4.5	2/23	3/11
SUMMER RIM	7100	1st	.0	.0	.8	4.4	6.4	2.0	11.4	3.2	.0	.0	.0	.0				
		15th	.0	.0	3.9	6.2	8.6	10.8	10.1	.0	.0	.0	.0	.0	11/21	11.7	3/23	5/8
SUMMIT LAKE	5600	1st	.0	.0	2.2	8.6	12.6	20.1	22.5	24.0	8.7	.0	.0	.0				
		15th	.0	.0	8.3	12.6	15.0	20.0	25.0	17.0	.0	.0	.0	.0	11/21	25.1	4/14	6/13
TAYLOR BUTTE	5100	1st	.0	.0	.8	2.8	4.3	5.6	.0	.0	.0	.0	.0	.0				
		15th	.0	.0	3.2	3.7	4.7	.9	.0	.0	.0	.0	.0	.0	11/21	5.6	3/1	3/16
TAYLOR GREEN	5740	1st	.0	.0	1.3	4.5	12.4	18.6	15.1	.0	.0	.0	.0	.0				
		15th	.0	.0	3.3	11.3	13.2	16.8	12.8	.0	.0	.0	.0	.0	11/22	18.7	3/3	5/1
THREE CREEKS MEADOW	5650	1st	.0	.0	1.4	4.9	8.3	10.6	10.9	5.1	.0	.0	.0	.0				
		15th	.0	.0	5.0	7.9	7.6	10.2	11.2	.0	.0	.0	.0	.0	11/15	11.7	4/12	5/10
TIPTON	5150	1st	.0	.0	1.0	4.2	7.1	10.2	8.9	.0	.0	.0	.0	.0				
		15th	.0	.0	3.8	7.0	7.9	8.9	6.6	.0	.0	.0	.0	.0	11/27	10.3	2/27	4/29
WOLF CREEK	5700	1st	.0	.0	1.9	4.6	8.4	12.7	12.5	.1	.0	.0	.0	.0				
		15th	.0	.0	4.0	8.3	9.2	12.7	11.8	.0	.0	.0	.0	.0	11/20	13.2	4/10	5/2

* - Permanent snowpack commenced in prior Water Year.

Snow Course Data - WY 1994 (Depth & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
ALDER CREEK	5460				1/26	24	6.0	3/1	31	7.6	3/25	17	5.2						
ALTHOUSE #2	4530				1/26	2	.2	2/24	22	4.9	3/28	1	.3						
ALTHOUSE #3	5000				1/26	14	4.4	2/24	42	11.0	3/28	24	7.8						
ANEROID LAKE #2	7300				1/31	49	14.4	Est	-	29.6	3/30	59	23.4	Est	-	33.5			
ANNIE SRINGREV	6120	Est	41	13.0	1/27	51	17.3	2/26	78	24.3	3/31	60	26.2	Est	-	27.3	Est	-	.0
ANTHONY LAKE	7130	12/27	21	5.5	1/28	40	12.1	2/25	62	17.9	4/1	52	19.7	Est	-	24.9			
ARBUCKLE MTN.	5400	1/21	21	6.6	1/21	21	6.6	Est	-	5.2	3/29	13	5.4	Est	-	.0			
BALD MTN,OR AM	6720				1/25	35	13.0	Est	-	21.6	Est	45	18.4	Est	-	15.2			
BALD PETER	5400	1/4	26	10.8							3/30	53	21.8						
BARLEY CAMP AM	6900				1/28	11	2.8	3/1	34	9.2	3/28	24	8.8						
BEAR FLAT MEADOW AM	5900				1/28	30	7.5	3/1	40	10.8	3/28	32	11.5						
BEAVER CREEK #1	4250	1/3	12	4.6	1/26	14	6.8	3/3	29	11.8	4/1	27	11.0						
BEAVER CREEK #2	4250	1/3	7	2.6	1/26	3	.8	3/3	9	3.2	4/1	5	2.0						
BEAVER DAM CREEK	5100	12/27	11	2.7	1/26	20	6.4	2/24	28	10.4	3/26	10	5.5	4/26	0	.0			
BEAVER RES.(REV) (d)	5150							Est	-	10.2									
BIG RED MTN	6250							Est	-	18.7									
BIG SHEEP AM	6200				1/31	44	14.1	Est	-	23.5	3/30	44	18.5	Est	-	15.8			
BLUE MTN SPRINGS (d)	5900							Est	-	11.4									
BOULDER CREEK AM	5690				1/27	4	1.0	3/1	7	1.9	3/29	0	.0						
BOURNE(d)	5800										Est	-	7.6	Est	-	.0			
BROOKS MEADOW	4300										Est	-	7.4						
BUCK PASTURE AM	5700				1/27	6	1.5	3/1	7	1.9	3/29	0	0						

Snow Course Data - WY 1994 (Depth & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
BUCKSKIN LAKE AM	5200				1/27	0	.0	3/1	0	.0	3/29	0	.0						
BULLY CREEK AM	5300				1/27	9	2.2	3/1	7	1.9	3/29	0	.0						
CALIBAN ALT	6500				1/26	36	11.0	2/24	64	18.0	3/30	50	19.0	4/29	41	17.8			
CALL MEADOWS AM	5340				1/27	7	1.8	3/1	21	5.7	3/29	0	.0						
CAMAS CREEK #2	5850	12/27	12	2.7	1/27	17	4.4	2/28	28	7.6	3/30	12	4.3	4/28	4	1.0			
CAMAS CREEK #3	5850	12/27	14	3.1	1/27	19	5.3	2/28	31	8.0	3/30	14	5.1	4/28	2	.7			
CASCADE SUMMIT(d)	4880							Est	-	15.9	Est	-	17.7						
CHEMULT ALT(d)	4760							Est	-	7.5	Est	-	.0						
CHILOQUIN	4190	12/27	0	.0	1/28	0	.0	3/1	0	.0									
CLACKAMAS LAKE REV	3400							2/24	15	4.9	3/30	4	2.3						
CLEAR LAKE	3500							Est	-	4.7									
COLVIN CREEK AM	6550				1/28	3	1.2	3/1	11	2.9	3/28	0	.0						
COX FLAT AM	5750				1/28	25	6.2	3/1	21	5.7	3/28	0	.0						
CRAZYMAN FLAT AM	6100				1/28	14	3.5	3/1	26	7.0	3/28	1	.4	Est	-	.0			
CRYSTAL	4200	12/27	0	.0	1/28	3	.8	3/1	0	.0									
DEADHORSE GRADE	3700	12/27	2	.6	1/24	2	.4	2/23	16	2.5	3/31	5	1.7						
DEADWOOD JUNCTION	4600	12/27	9	2.0	1/26	13	4.0	2/24	21	6.7	3/26	4	2.0	4/26	0	.0			
DERR	5670				1/26	20	6.3	2/23	25	7.2	3/29	3	1.5						
DIAMOND LAKE(d)	5320							Est	-	10.7	Est	-	5.3						
DOG HOLLOW AM	4900				1/28	0	.0	3/1	0	.0	3/28	0	.0						
DOOLEY MOUNTAIN	5430	12/28	14	3.1	1/26	19	4.8	3/1	25	5.9	3/25	12	3.6	Est	-	.0			
EAST EAGLE	0	12/27	30	8.0				2/28	68	21.0	3/27	51	20.3						

Snow Course Data - WY 1994 (Depth & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
EILERTSON MEADOWS(d)	5400										Est	-	3.9						
ELDORADO PASS	4600	12/27	0	.0	1/28	0	.0	3/1	12	3.2	Est	-	.0						
EMIGRANT SPRINGS (d)	3930							Est	-	4.3									
FINLEY CORRALS AM	6000				1/28	21	5.2	3/1	32	8.6	3/28	21	8.0	Est	-	2.5			
FISH CREEK REV	7900							Est	-	13.0									
FISH LAKE(d)	4670	Est	-	3.1				Est	-	9.6	Est	-	.9	Est	-	.0			
FLAG PRAIRIE AM	4750				1/27	10	2.5	3/1	12	3.2	3/29	0	.0						
FT. KLAMATH	4150	12/27	0	.0	1/28	0	.0	3/1	0	.0									
GERBER	4850	Est	-	.0	Est	-	.0				Est	0	.0						
GOLD CENTER REV(d)	5340							Est	-	9.3	Est	-	1.5						
GOODRICH LAKE	6780				1/26	45	14.5	3/1	64	20.9	3/25	56	20.4						
GOVERNMENT CORRALS	7450				1/27	16	4.1	2/28	35	9.4	3/31	25	8.8						
GRAYBACK PEAK	6000				1/25	39	12.3				4/1	35	16.3						
HARRIMAN LODGE	4200	12/27	0	.0	1/28	0	.0	3/1	0	.0									
HART MOUNTAIN AM	6350				1/28	1	.4	3/1	4	1.1	3/28	0	.0						
HIGH PRAIRIE	6100	12/28	36	11.8	1/31	53	20.5	2/24	113	33.6	3/29	89	37.9						
HOWARD PRAIRIE	4500	12/27	7	1.6	1/26	12	3.3	2/24	18	6.4	3/26	1	.7	4/26	0	.0			
HUNGRY FLAT	4400	12/28	0	.0	1/26	0	.0	3/1	0	.0	3/31	0	.0	4/29	0	0			
HYATT PRAIRIE RES(d)	4900							Est	-	4.5	Est	-	.0	Est	-	0			
KING MTN #1	4500	12/29	16	3.8	1/28	7	1.8	2/24	20	5.4	3/30	0	.0	4/27	0	.0			
KING MTN #2	4000							Est	-	2.7	3/30	0	.0						
KING MTN #3	3650	12/29	0	.0	1/28	0	.0	2/24	1	2	3/30	0	.0	4/27	0	.0			

Snow Course Data - WY 1994 (Depth & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
KING MTN #4	3050	12/29	0	.0	1/28	0	.0	2/24	0	.0	3/30	0	.0	4/27	0	.0			
LAKE CREEK R.S.(d)	5200							Est	-	7.0									
LIONSHEAD AM	5400	12/29	24	7.7				3/1	48	19.2	3/28	42	14.7						
LITTLE ALPS	6200	12/27	13	2.6	1/28	22	5.6	2/25	38	7.9	4/1	26	8.1						
LITTLE ANTONE (ALT)	5000	12/27	14	2.5	1/28	17	4.6	2/25	29	6.0	4/1	4	1.3						
LOOKOUT BUTTE AM	5650				1/27	1	.1	3/1	0	.0	3/29	0	.0						
LOUSE CANYON AM	6440				1/27	2	.5	3/1	9	2.4	3/29	8	2.8						
LOWER PINNACLE	0	1/5	15	3.9	2/1	10	3.6	3/1	30	9.4	4/4	8	3.3						
LUCKY STRIKE(d)	5050							Est	-	6.5									
MARION FORKS REV (d)	2600							Est	-	5.3									
MARKS CREEK	4540	Est	2	.7	1/27	3	.7	2/23	1	.4	3/29	0	.0	5/2	0	.0			
MARY'S PEAK REV	3620				2/1	0	.0	3/1	0	.0	4/1	0	.0						
MCKENZIE	4800							Est	-	23.1									
MEACHAM	4300	12/28	8	2.5	1/25	22	7.3	2/24	44	10.2	Est	8	3.4	4/28	0	.0			
MILL CREEK MDW	6200	12/27	20	6.7	1/28	22	7.8	2/28	48	13.1	3/29	29	11.7						
MIRROR LAKE AM	8200				1/31	90	31.5	Est	-	56.1	3/30	110	45.1						
MOSS SPRINGS(d)	5850							Est	-	21.0	Est	-	19.1						
MT ASHLAND SWBK.	6400				1/26	48	14.2	2/24	69	20.5	3/30	56	22.5	4/29	46	18.4			
MT HOOD	5400	12/27	45	15.4	2/2	70	29.2	2/28	138	47.6	3/28	123	55.8						
NEW CRESCENT LAKE	5400										Est	-	.0						
NEW DUTCHMAN #2	6400	12/28	38	12.3	1/26	54	21.0	3/1	78	29.3	3/31	67	30.0	4/29	52	25.5			
NEW DUTCHMAN #3	6400	12/28	38	11.9	1/26	58	21.0	3/1	82	29.7	3/31	77	32.0	4/29	58	27.3			

Snow Course Data - WY 1994 (Depth & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
NORTH UMPQUA	4220	12/28	5	1.0	1/25	12	3.8	2/25	23	7.6	3/25	5	2.4						
OCHOCO MEADOWS(d)	5200				1/27	22	6.1	2/24	29	7.4	3/29	14	5.4						
OREGON CANYON AM	6950				1/27	4	1.0	3/1	7	1.9	3/29	0	.0						
PAGE MTN	4050				1/26	0	.0	2/24	11	2.8	3/28	0	.0						
PARK H.Q. REV	6550	Est	53	17.2	1/27	71	25.2	2/26	106	37.2	3/31	71	37.6	Est	-	42.0	Est	-	.0
PASSAGEWAY AM	4660	12/29	0	.0				3/1	24	9.6	3/28	0	.0						
PATTON MEADOWS AM	6800				1/28	28	7.0	3/1	35	9.1	3/28	21	8.0	Est	-	4.6			
PUEBLO SUMMIT AM	6800				1/27	2	.5	3/1	4	1.1	3/29	0	.0						
RACING CREEK	4800	1/4	13	5.6	1/25	20	6.4	Est	-	9.9	3/30	16	6.3						
RED BUTTE #1	4560	12/28	16	4.6	1/27	12	3.6	2/25	37	10.8	3/29	14	5.1	4/27	0	.0			
RED BUTTE #2	4000	12/28	3	1.0	1/27	0	.0	2/25	13	3.6	3/29	0	.0	4/27	0	.0			
RED BUTTE #3	3500	12/28	0	.0	1/27	0	.0	2/25	6	2.1	3/29	0	.0	4/27	0	.0			
RED BUTTE #4	3000	12/28	0	.0	1/27	0	.0	2/25	3	.8	3/29	0	.0	4/27	0	.0			
RED HILL(d)	4100				Est	-	16.0	Est	-	30.5	3/27	100	45.0						
ROCK SPRINGS REV (d)	5100							Est	-	2.0									
ROGGER MEADOWS AM	6500				1/28	14	3.5	3/1	33	8.6	3/28	10	3.8						
SCHNEIDER MEADOWS	5400				Est	-	19.0	Est	-	27.6	Est	-	28.0	Est	-	18.3			
SHERMAN VALLEY AM	6600				1/28	20	5.0	3/1	26	6.8	3/28	22	8.4						
SILVER BURN	3720	12/27	9	2.4	1/27	14	4.5	2/22	27	5.8	3/28	06	3.1	4/26	0	0			
SISKIYOU SUMMIT REV	4630	12/27	6	1.5	1/26	7	1.4	2/24	15	3.9	3/30	0	.0						
SKI BOWL ROAD	6000				1/26	36	8.5	2/24	53	15.7				4/29	23	9.7			
SKID ROAD	0	1/5	43	11.4	2/1	39	16.2	3/1	93	30.0	4/4	77	33.3	5/2	59	27.5			

Snow Course Data - WY 1994 (Depth & SWE in inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY			FEBRUARY			MARCH			APRIL			MAY			JUNE		
		DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE	DATE	DEPTH	SWE
SOUTH FORK CANAL	3500	12/27	0	.0	1/27	0	.0	2/22	9	1.2	3/28	0	.0	4/26	0	.0			
STANDLEY AM	7400				1/31	56	15.7	Est	-	26.6	3/30	62	25.4						
STARR RIDGE REV(d)	5150							Est	-	4.8									
STINKING WATER	4800	Est	-	.0	Est	-	.0	Est	-	1.8	Est	-	.0						
STRAWBERRY(d)	5760							Est	-	4.0									
SUMMER RIM	7100							Est	-	9.9									
SYCAN FLAT AM	5500				1/28	4	1.4	3/1	5	1.5	3/28	0	.0						
TANGENT	5400	12/28	23	7.2	1/26	29	10.2	3/1	37	13.6	3/31	13	5.0						
THREE CREEK BUTTE	5200										Est	-	.0						
THREE CREEK MDW(d)	5650							Est	-	10.3	Est	-	10.1						
TIMOTHY LAKE	3300	12/29	0	.0							3/28	0	.0						
TIPTON	5100							Est	-	7.0									
TOLLGATE	5070	12/28	24	6.8	1/25	50	16.0	2/25	87	25.4	Est	57	25.2	4/28	32	15.1			
TRAP CREEK	3800	12/28	7	1.2	1/25	12	3.1	2/25	25	5.2	3/25	13	4.5						
TROUT CREEK AM	7800				1/27	4	1.0	3/1	21	5.7	3/29	23	8.0						
TV RIDGE #2 AM	7000				1/31	25	6.7	Est	-	17.2	3/30	30	12.3	Est	-	16.3			
UPPER PINNACLE	0	1/5	21	4.8	2/1	11	4.0	3/1	33	11.9	4/4	11	4.4						
V LAKE AM	6600				1/27	4	1.0	3/1	6	1.6	3/29	10	3.5						
WEST EAGLE MEADOWS	5500				1/31	76	25.8				3/30	60	25.8						
CALDWELL RANCH(d)	0										Est	-	.0						

Monthly Precipitation - WY 1994 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
ANEROID LAKE #2	7300	3.8	2.8	5.3	4.5	4.8	1.8	4.4	7.1	5.6	.5	.1	.7	41.4
ARBUCKLE MTN	5400	.7	2.0	3.4	3.0	3.6	1.3	2.3	3.9	2.7	.1	.2	.2	23.4
BEAVER RESERVOIR	5150	1.5	2.0	1.9	3.9	3.1	1.3	2.3	2.6	2.0	1.2	.2	.4	22.4
BIG RED MOUNTAIN	6250	1.4	2.0	8.8	5.3	4.7	2.4	2.9	3.2	.7	.0	.0	1.1	32.5
BIGELOW CAMP	5120	.4	4.0	8.7	6.0	7.2	2.4	3.8	2.6	1.4	.0	.0	.5	37.0
BILLIE CREEK DIVIDE	5300	1.0	1.8	5.4	5.8	5.6	2.2	2.8	1.7	1.5	.1	.0	.8	28.7
BLAZED ALDER	3650	3.9	8.6	13.9	17.2	15.9	8.8	7.9	4.7	6.8	.8	.5	1.5	90.5
BLUE MOUNTAIN SPRING	5900	.8	1.9	4.6	2.8	3.8	.3	2.6	2.1	.3	.7	.0	.1	20.0
BOURNE	5800	1.6	.8	4.0	3.9	3.2	.9	2.4	3.5	1.0	1.3	.4	.6	23.6
BOWMAN SPRINGS	4580	1.1	2.6	1.4	3.7	3.2	1.3	2.7	2.7	1.6	.6	.1	.6	21.6
CASCADE SUMMIT	4880	1.3	4.3	6.8	6.6	7.0	3.2	3.6	2.7	2.4	.1	.0	.9	38.9
CHEMULT ALTERNATE	4760	.8	1.1	3.4	1.2	2.5	1.5	.8	.4	.7	.3	.0	.6	13.3
CLACKAMAS LAKE	3400	1.1	3.5	5.8	7.2	6.4	3.7	2.3	2.1	2.6	.3	.2	1.1	36.3
CLEAR LAKE	3500	.8	2.4	4.7	5.6	3.0	2.2	4.0	3.6	4.9	.0	.3	1.4	32.9
COLD SPRINGS CAMP	6100	1.8	2.3	6.4	5.8	5.7	2.5	3.1	1.9	1.2	.0	.2	1.0	31.9
COUNTY LINE	4800	.6	1.6	1.5	3.0	3.1	1.1	1.5	2.6	1.9	.9	.1	.5	18.4
DALY LAKE	3600	2.9	5.4	8.2	9.5	11.6	6.4	5.2	3.2	4.7	1.1	.2	1.1	59.5
DERR.	5670	.4	1.3	3.0	2.7	1.6	2.2	4.1	2.0	.9	.4	.1	.3	19.0
DIAMOND LAKE	5315	.9	2.6	5.1	4.7	3.4	2.0	2.9	3.0	1.9	.0	.0	.5	27.0
EILERTSON MEADOWS	5400	.9	.8	3.4	2.2	1.8	.9	1.2	4.0	1.7	1.1	.3	.7	19.0
EMIGRANT SPRINGS	3925	.9	2.1	2.7	5.9	4.0	2.9	2.1	4.1	.8	.2	.2	.5	26.4
FISH CREEK	7900	1.8	2.3	3.7	3.3	6.0	.9	4.1	3.4	.5	.1	.0	.2	26.3
FISH LK.	4665	1.3	1.5	4.1	4.3	3.8	2.5	3.5	2.7	1.2	.6	.2	.4	26.1
FOURMILE LAKE	6000	.9	2.5	4.9	5.9	5.4	1.5	2.7	2.4	.8	.5	.0	.3	27.8
GOLD CENTER	5340	1.3	1.1	1.5	2.3	1.8	1.5	1.9	2.0	.5	.7	.1	.6	15.3
GREENPOINT	3200	1.2	4.8	9.4	7.8	10.7	4.6	2.9	1.8	2.2	2	.0	.6	46.2
HIGH RIDGE	4980	.9	2.9	4.4	8.2	7.9	2.3	3.1	2.7	1.7	1.3	.0	1.3	36.7
HOGG PASS	4760	1.9	5.8	9.2	10.2	8.8	6.7	4.5	3.8	4.4	1	.0	2.4	57.8
HOLLAND MEADOWS	4900	2.2	3.7	7.0	8.3	7.1	5.3	5.8	2.8	3.8	.6	.0	1.9	48.5
IRISH TAYLOR	5500	1.2	3.0	7.4	8.8	7.0	4.5	3.9	3.0	3.5	1.1	.1	.6	44.1
JUMP OFF JOE	3500	1.7	5.1	10.5	10.2	8.6	6.6	6.0	4.4	4.7	.5	.0	2.2	60.5
KING MOUNTAIN	4000	1.6	2.5	9.5	7.2	5.0	3.4	3.7	1.4	1.7	.4	.2	3.2	39.8
LAKE CREEK R.S.	5200	9	1.1	3.3	3.2	2.5	.1	1.1	.6	.6	3	.0	.3	14.0
LITTLE MEADOWS	4000	2.8	6.5	13.2	12.9	16.2	7.7	7.2	5.6	5.7	1.1	.1	2.6	81.6
LUCKY STRIKE	5050	.9	2.0	1.8	3.7	1.7	.8	1.9	4.8	1.6	.1	.0	.1	19.4

Monthly Precipitation - WY 1994 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
MADISON BUTTE	5250	.7	.8	1.7	2.0	2.1	1.3	2.8	2.3	2.1	.2	.0	.3	16.3
MARION FORKS	2600	1.7	6.9	10.0	11.0	8.3	8.3	4.0	3.2	5.1	.0	.0	1.7	60.2
MCKENZIE	4800	3.3	4.6	11.2	13.6	10.0	8.0	6.7	4.9	5.9	.0	.0	2.1	70.3
MOSS SPRINGS	5850	2.0	3.6	3.6	8.4	6.7	2.0	4.9	4.4	3.0	.3	.4	1.2	40.5
MT HOOD TEST SITE	5400	2.9	11.6	8.7	14.5	13.9	7.9	6.2	4.5	5.8	.7	.6	1.4	78.7
MT. HOWARD	7910	3.0	3.0	4.2	3.4	4.7	1.8	4.6	5.3	3.0	1.1	.0	.5	34.6
MUD RIDGE	3800	3.3	5.5	7.8	8.7	8.6	3.5	4.0	2.3	2.9	.2	.2	.8	47.8
NEW CRESCENT LAKE	4800	1.1	1.4	5.3	3.8	2.8	1.6	1.2	.8	.5	.0	.0	.7	19.2
NORTH FORK	3120	5.3	10.7	17.2	18.7	19.7	9.9	10.2	4.9	7.7	.2	.3	4.4	109.2
OCHOCO MEADOWS	5200	.1	2.7	3.3	1.7	2.0	1.2	2.6	3.0	1.5	1.3	.3	.7	20.4
PEAVINE RIDGE	3500	1.6	4.6	5.7	8.3	6.6	3.5	4.3	2.7	3.0	.0	.0	1.1	41.4
QUARTZ MOUNTAIN	5700	1.3	1.0	1.7	.5	1.9	.3	.9	2.0	1.2	.1	.3	.5	11.7
RAILROAD OVERPASS	2750	1.1	2.4	5.6	4.9	5.0	2.3	5.1	3.5	3.0	.3	.1	2.0	35.3
RED HILL	4400	2.9	6.7	12.3	14.7	17.6	9.0	6.9	4.0	5.9	1.7	.2	1.9	83.8
ROARING RIVER	4900	1.5	4.2	6.7	8.4	6.5	4.2	5.2	2.6	4.5	.5	.0	1.4	45.7
ROCK SPRINGS	5100	.8	.9	1.4	.9	1.4	.3	1.7	2.1	.5	.1	.1	.1	10.3
SADDLE MOUNTAIN	3250	2.7	3.3	18.8	11.0	15.2	9.3	5.5	3.6	4.2	.9	.5	1.2	76.2
SALT CREEK FALLS	4000	2.4	3.5	7.4	7.0	6.7	4.4	5.6	3.0	3.6	1.9	.5	.7	46.7
SANTIAM JCT.	3750	2.3	4.2	9.0	9.2	8.8	6.6	4.8	3.0	4.1	.6	.2	2.2	55.0
SCHNEIDER MEADOWS	5400	.6	3.3	7.4	6.4	6.3	.8	2.9	2.1	.9	.8	.0	.4	31.9
SEINE CREEK	2000	1.7	4.5	12.7	8.5	10.7	5.9	4.2	3.1	2.4	.1	.2	1.6	55.6
SEVENMILE MARSH	6200	2.6	3.0	7.6	6.5	7.1	2.9	3.5	2.3	1.1	.0	.0	1.3	37.9
SILVER CREEK	5720	1.2	.5	3.2	1.9	1.7	.6	1.5	2.3	.4	.3	.0	.9	14.5
SILVIES	6900	1.5	1.5	1.8	1.4	2.9	1.3	3.3	4.1	.8	.1	.0	.1	18.8
SNOW MOUNTAIN	6220	.8	1.4	3.2	2.4	2.7	2.0	2.5	2.5	.8	.1	.0	.6	19.0
STARR RIDGE	5300	1.0	1.1	2.2	2.0	2.0	1.3	2.1	2.2	.2	.0	.2	.4	14.7
STRAWBERRY	5760	.0	1.5	2.0	.9	2.8	.4	1.8	2.6	1.5	.6	.2	1.1	15.4
SUMMER RIM	7100	1.8	1.0	3.5	1.6	2.9	1.5	2.1	2.3	.5	.0	.1	.6	17.9
SUMMIT LAKE	5600	1.8	2.0	7.1	7.1	7.4	3.3	4.4	3.4	3.1	.5	.0	1.3	41.4
TAYLOR BUTTE	5100	1.1	.7	2.6	1.5	1.5	.5	1.1	1.9	.4	.0	.2	1.3	12.8
TAYLOR GREEN	5740	.8	1.2	4.3	6.1	4.6	1.2	.6	1.7	.1	.0	.0	.3	20.9
THREE CREEKS MEADOW	5650	.8	2.1	4.3	5.0	2.8	2.6	2.3	1.7	1.2	.9	.0	.8	24.5
TIPTON	5150	.6	1.0	3.1	2.8	2.8	.9	1.6	1.9	.7	1.3	.1	1.0	17.8
WOLF CREEK	5700	1.0	1.5	2.6	2.7	3.1	.7	1.6	2.7	.8	1.0	.1	.4	18.2

SNOTEL SWE Averages: 1961 - 1990 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
ANEROID LAKE #2	7300	1st	.0	1.3	4.9	9.1	14.4	18.6	23.7	24.7	12.9	1.8	.0	.0
		15th	.7	2.9	7.3	11.9	16.2	21.0	22.8	18.5	6.2	.3	.0	.0
ARBUCKLE MTN	5400	1st	.0	.5	4.2	8.9	13.9	19.3	24.0	16.7	.9	.0	.0	.0
		15th	.1	1.6	6.7	11.5	16.4	21.8	23.1	10.6	.0	.0	.0	.0
BEAVER RESERVOIR	5150	1st	.0	.0	2.0	4.8	7.8	9.1	9.4	1.6	.0	.0	.0	.0
		15th	.0	1.0	3.0	5.8	8.0	9.7	5.3	.0	.0	.0	.0	.0
BIG RED MOUNTAIN	6250	1st	.0	.4	6.1	12.3	18.8	23.3	29.3	22.5	1.2	.0	.0	.0
		15th	.1	2.3	9.0	14.1	20.9	27.9	28.1	12.3	.0	.0	.0	.0
BIGELOW CAMP	5120	1st	.0	.1	4.2	5.8	10.6	13.5	11.4	4.8	.0	.0	.0	.0
		15th	.0	1.0	4.9	8.6	13.0	13.1	7.7	.1	.0	.0	.0	.0
BILLIE CREEK DIVIDE	5300	1st	.0	.3	6.0	10.5	14.9	20.2	20.5	7.4	.0	.0	.0	.0
		15th	.1	1.7	7.5	12.8	18.3	21.3	14.1	2.3	.0	.0	.0	.0
BLAZED ALDER	3650	1st	.0	1.0	6.4	13.2	23.5	30.5	32.0	21.0	4.3	.0	.0	.0
		15th	.1	2.4	8.3	16.2	27.4	29.9	30.2	15.4	1.0	.0	.0	.0
BLUE MOUNTAIN SPRING	5900	1st	.0	.3	3.5	7.9	11.7	15.9	18.9	8.0	.0	.0	.0	.0
		15th	.0	1.0	5.7	10.1	13.7	17.6	15.8	4.4	.0	.0	.0	.0
BOURNE	5800	1st	.0	.2	3.3	8.3	12.9	17.0	19.7	9.8	.1	.0	.0	.0
		15th	.0	1.0	5.7	10.1	14.7	18.1	17.1	5.9	.0	.0	.0	.0
BOWMAN SPRINGS	4580	1st	.0	.2	1.9	5.0	7.5	10.1	9.9	.6	.0	.0	.0	.0
		15th	.0	.6	3.3	6.1	9.0	10.3	5.9	.0	.0	.0	.0	.0
CASCADE SUMMIT	4880	1st	.0	.6	7.2	14.1	21.1	29.8	33.0	24.8	5.0	.1	.0	.0
		15th	.0	2.5	10.2	17.4	24.5	31.9	32.5	18.4	1.2	.0	.0	.0
CHEMULT ALTERNATE	4760	1st	.0	.0	2.9	5.4	7.9	9.1	5.8	.4	.0	.0	.0	.0
		15th	.0	.7	3.9	6.6	9.0	8.1	3.0	.0	.0	.0	.0	.0
CLACKAMAS LAKE	3400	1st	.0	.2	2.6	5.5	10.0	12.4	10.2	1.0	.0	.0	.0	.0
		15th	.1	.5	3.8	9.3	11.9	13.5	4.7	.0	.0	.0	.0	.0
CLEAR LAKE	3500	1st	.0	.2	2.9	6.6	10.7	14.0	13.4	3.1	.0	.0	.0	.0
		15th	.0	.8	3.9	9.2	12.1	13.6	8.5	2.1	.0	.0	.0	.0

* - Average not established. C-Conditional Average (based on less than 25 years of data)

SNOTEL SWE Averages: 1961 - 1990 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
COLD SPRINGS CAMP	6100	1st	.0	.2	7.4	15.9	23.6	29.6	32.3	21.6	5.3	.0	.0	.0
		15th	.0	1.8	10.9	19.4	27.5	31.1	27.7	17.7	.4	.0	.0	.0
COUNTY LINE	4800	1st	.0	.0	.0	2.2	4.6	5.3	2.5	.1	.0	.0	.0	.0
		15th	.0	.0	1.8	3.6	5.5	3.6	.4	.0	.0	.0	.0	.0
DALY LAKE	3600	1st	.0	.6	4.1	7.7	10.8	14.0	11.7	2.6	.0	.0	.0	.0
		15th	.0	1.1	4.6	9.5	14.1	13.0	8.5	.7	.0	.0	.0	.0
DERR.	5670	1st	.0	.1	3.2	6.9	11.0	13.8	17.4	6.7	.0	.0	.0	.0
		15th	.1	1.0	5.3	9.0	12.7	16.3	12.7	3.8	.0	.0	.0	.0
DIAMOND LAKE	5315	1st	.0	.0	4.4	8.1	11.7	14.4	12.1	3.6	.0	.0	.0	.0
		15th	.0	1.0	6.0	10.1	13.9	13.9	5.8	.8	.0	.0	.0	.0
EILERTSON MEADOWS	5400	1st	.0	.2	2.2	4.9	8.1	9.9	9.9	2.4	.0	.0	.0	.0
		15th	.0	.8	3.2	6.9	9.1	10.4	7.4	.6	.0	.0	.0	.0
EMIGRANT SPRINGS	3925	1st	.0	.0	2.0	4.3	7.7	6.8	4.2	.0	.0	.0	.0	.0
		15th	.0	.3	2.8	6.7	8.7	6.2	.7	.0	.0	.0	.0	.0
FISH CREEK	7900	1st	.0	1.0	6.9	12.1	18.6	24.8	32.0	29.0	11.8	.6	.0	.0
		15th	.0	2.2	9.8	16.0	21.3	27.9	31.4	22.7	5.9	.0	.0	.0
FISH LK.	4665	1st	.0	.0	3.5	6.9	9.9	11.2	8.9	1.6	.0	.0	.0	.0
		15th	.0	.6	4.8	7.8	11.0	10.2	4.9	.0	.0	.0	.0	.0
FOURMILE LAKE	6000	1st	.0	1.0	7.0	14.3	20.6	26.7	30.1	18.0	6.2	.0	.0	.0
		15th	.2	2.2	10.5	16.5	24.1	28.4	27.3	16.6	1.2	.0	.0	.0
GOLD CENTER	5340	1st	.0	.1	2.2	4.6	7.2	9.5	6.7	.7	.0	.0	.0	.0
		15th	.0	.7	3.4	6.4	8.6	8.9	2.9	.0	.0	.0	.0	.0
GREENPOINT	3200	1st	.0	.3	3.8	8.5	13.9	19.5	18.6	2.8	.0	.0	.0	.0
		15th	.2	1.0	5.4	12.4	17.1	19.5	12.4	.0	.0	.0	.0	.0
HIGH RIDGE	4980	1st	.0	.3	4.1	9.7	16.0	21.6	24.4	12.4	.6	.0	.0	.0
		15th	.0	1.2	6.4	12.8	19.0	22.6	23.1	8.6	.0	.0	.0	.0
HOGG PASS	4760	1st	.0	.7	8.4	16.5	24.5	31.0	36.4	30.3	9.8	.0	.0	.0
		15th	.1	2.4	11.8	20.2	28.1	33.8	37.0	24.3	.9	.0	.0	.0

* - Average not established. C-Conditional Average (based on less than 25 years of data)

SNOTEL SWE Averages: 1961 - 1990 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
HOLLAND MEADOWS	4900	1st	.0	.5	7.1	12.4	18.6	24.6	26.9	15.0	.2	.0	.0	.0
		15th	.0	1.6	8.2	15.0	23.0	25.9	22.4	11.0	.0	.0	.0	.0
IRISH TAYLOR	5500	1st	.0	1.0	8.0	14.3	21.4	28.7	35.1	35.6	21.7	3.3	.0	.0
		15th	.2	3.1	11.5	18.2	25.1	31.1	38.6	35.1	14.4	.0	.0	.0
JUMP OFF JOE	3500	1st	.0	.3	2.5	5.3	8.0	10.1	8.6	1.3	.0	.0	.0	.0
		15th	.0	.3	3.2	7.0	9.7	9.3	5.4	.0	.0	.0	.0	.0
KING MOUNTAIN	4000	1st	.0	.0	1.2	3.1	3.4	3.4	2.2	.1	.0	.0	.0	.0
		15th	.0	.2	1.3	2.9	3.8	2.6	.8	.0	.0	.0	.0	.0
LAKE CREEK R.S.	5200	1st	.0	.1	2.6	6.0	9.4	11.9	11.5	1.5	.0	.0	.0	.0
		15th	.0	.7	3.9	7.7	10.4	12.5	6.9	.0	.0	.0	.0	.0
LITTLE MEADOWS	4000	1st	.0	.5	5.5	10.6	17.2	22.2	24.2	13.7	.7	.0	.0	.0
		15th	.1	1.7	6.7	13.7	21.7	22.5	22.3	9.5	.0	.0	.0	.0
LUCKY STRIKE	5050	1st	.0	.1	2.2	5.4	8.1	10.1	10.3	1.6	.0	.0	.0	.0
		15th	.0	.7	3.7	6.5	9.5	10.0	6.8	.2	.0	.0	.0	.0
MADISON BUTTE	5250	1st	.0	.1	1.7	3.6	5.0	5.6	3.8	.8	.0	.0	.0	.0
		15th	.0	.6	2.7	4.2	6.3	4.1	1.6	.0	.0	.0	.0	.0
MARION FORKS	2600	1st	.0	.0	1.8	4.6	8.0	9.1	8.0	2.7	.0	.0	.0	.0
		15th	.0	.2	2.7	6.3	9.0	9.3	6.2	.3	.0	.0	.0	.0
MCKENZIE	4800	1st	.1	1.4	10.0	19.5	30.1	38.9	43.9	37.5	20.1	.2	.0	.0
		15th	.2	3.5	12.9	24.7	34.0	41.2	43.1	31.7	8.0	.0	.0	.0
MOSS SPRINGS	5850	1st	.1	.6	5.8	10.1	15.5	21.1	26.3	17.4	3.2	.0	.0	.0
		15th	.2	2.6	7.8	13.1	17.9	23.9	23.8	13.8	.6	.0	.0	.0
MT HOOD TEST SITE	5400	1st	.0	2.0	16.3	26.2	40.1	51.9	63.6	63.5	49.9	11.6	.0	.0
		15th	.4	6.7	22.2	33.3	46.4	56.4	65.5	63.2	34.2	1.1	.0	.0
MT. HOWARD	7910	1st	.3	1.2	4.3	7.2	8.4	12.3	16.6	13.7	8.1	.0	.0	.0
		15th	.6	2.4	6.1	8.5	9.8	15.8	17.0	13.6	3.7	.0	.0	.0
MUD RIDGE	3800	1st	.0	.4	4.6	11.3	18.5	24.7	27.3	18.4	1.4	.0	.0	.0
		15th	.0	1.3	7.6	15.0	22.2	25.5	26.3	11.9	.0	.0	.0	.0

* - Average not established. C-Conditional Average (based on less than 25 years of data)

SNOTEL SWE Averages: 1961 - 1990 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
NEW CRESCENT LAKE	4800	1st	.0	.0	2.9	6.2	9.4	10.9	9.1	1.2	.0	.0	.0	.0
		15th	.0	.9	4.2	7.6	11.0	11.5	4.9	.0	.0	.0	.0	.0
NORTH FORK	3120	1st	.0	.3	2.5	6.7	9.9	14.4	15.9	5.9	.0	.0	.0	.0
		15th	.0	.8	4.1	8.4	12.6	13.8	13.2	1.6	.0	.0	.0	.0
OCHOCO MEADOWS	5200	1st	.0	.1	2.6	4.7	7.4	10.5	10.5	2.3	.0	.0	.0	.0
		15th	.0	.9	3.6	5.9	8.9	11.1	6.3	1.1	.0	.0	.0	.0
PEAVINE RIDGE	3500	1st	.3	.3	3.1	6.5	10.6	13.4	12.3	2.1	.0	.0	.0	.0
		15th	.1	.8	3.9	8.8	13.3	12.7	7.2	.3	.0	.0	.0	.0
QUARTZ MOUNTAIN	5700	1st	.0	.0	1.7	3.6	6.0	7.4	5.7	1.0	.0	.0	.0	.0
		15th	.0	.3	2.4	4.5	6.9	7.3	3.4	.0	.0	.0	.0	.0
RAILROAD OVERPASS	2750	1st	.0	.0	.5	.7	.6	.1	.1	.1	.0	.0	.0	.0
		15th	.0	.1	.5	.9	.7	.0	.0	.0	.0	.0	.0	.0
RED HILL	4400	1st	.0	1.1	8.2	17.0	28.6	38.4	43.7	38.3	12.5	.0	.0	.0
		15th	.2	2.7	12.2	22.5	35.1	40.4	44.2	32.8	3.4	.0	.0	.0
ROARING RIVER	4900	1st	.0	.5	6.0	12.9	19.0	25.3	29.7	20.0	4.5	.0	.0	.0
		15th	.0	1.4	8.7	15.8	22.7	26.9	27.5	17.4	.2	.0	.0	.0
ROCK SPRINGS	5100	1st	.0	.0	1.0	2.7	4.1	5.3	3.0	.0	.0	.0	.0	.0
		15th	.0	.2	1.2	3.5	5.1	5.1	1.2	.0	.0	.0	.0	.0
SADDLE MOUNTAIN	3250	1st	.0	.2	2.1	3.8	5.1	5.6	5.8	1.1	.0	.0	.0	.0
		15th	.0	.3	1.7	4.6	6.8	5.6	3.9	.1	.0	.0	.0	.0
SALT CREEK FALLS	4000	1st	.0	.3	4.6	8.5	13.2	16.7	18.7	9.7	.0	.0	.0	.0
		15th	.2	1.1	5.9	10.8	15.7	18.9	16.8	4.9	.0	.0	.0	.0
SANTIAM JCT.	3750	1st	.0	.3	4.2	9.7	13.5	17.0	15.5	2.9	.0	.0	.0	.0
		15th	.0	1.0	6.3	11.5	16.2	16.8	11.4	1.4	.0	.0	.0	.0
SCHNEIDER MEADOWS	5400	1st	.0	.6	6.3	12.9	19.8	24.5	25.5	15.7	1.3	.0	.0	.0
		15th	.0	2.3	8.3	16.5	22.3	27.9	23.3	10.4	.0	.0	.0	.0
SEINE CREEK	2000	1st	.0	.0	.0	1.4	2.2	3.0	1.5	.0	.0	.0	.0	.0
		15th	.0	.2	.7	3.0	3.2	2.4	.2	.0	.0	.0	.0	.0

* - Average not established. C-Conditional Average (based on less than 25 years of data)

SNOTEL SWE Averages: 1961 - 1990 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
SEVENMILE MARSH	6200	1st	.0	.5	6.4	13.5	21.4	30.0	31.9	17.8	3.9	.0	.0	.0
		15th	.0	1.9	10.1	17.6	27.5	29.9	25.9	11.3	1.2	.0	.0	.0
SILVER CREEK	5720	1st	.0	.0	2.4	5.3	7.8	10.1	8.5	2.0	.0	.0	.0	.0
		15th	.0	.6	3.7	6.8	9.3	10.5	4.7	.7	.0	.0	.0	.0
SILVIES	6900	1st	.0	.4	3.4	7.7	11.9	16.7	23.0	10.4	.0	.0	.0	.0
		15th	.0	.9	5.5	9.5	14.1	19.7	19.0	4.5	.0	.0	.0	.0
SNOW MOUNTAIN	6220	1st	.0	.2	2.1	5.6	8.2	10.8	13.6	7.9	.2	.0	.0	.0
		15th	.0	.7	3.7	6.7	9.3	12.5	12.0	4.5	.0	.0	.0	.0
STARR RIDGE	5300	1st	.0	.1	1.4	3.8	5.7	6.6	4.2	.0	.0	.0	.0	.0
		15th	.0	.4	2.4	4.7	6.6	5.6	2.2	.0	.0	.0	.0	.0
STRAWBERRY	5760	1st	.0	.0	1.2	3.0	4.6	5.3	4.3	.9	.0	.0	.0	.0
		15th	.0	.2	2.0	4.1	5.4	5.3	2.4	.0	.0	.0	.0	.0
SUMMER RIM	7100	1st	.0	.0	3.3	6.8	10.8	14.5	18.7	12.2	1.1	.0	.0	.0
		15th	.0	.9	5.1	9.2	12.2	16.4	16.8	6.8	.0	.0	.0	.0
SUMMIT LAKE	5600	1st	.0	1.2	9.6	17.0	23.1	33.3	39.6	41.2	28.6	2.3	.0	.0
		15th	1	3.4	13.2	20.8	27.5	37.6	42.3	40.0	17.4	.0	.0	.0
TAYLOR BUTTE	5100	1st	.0	.0	1.3	2.6	4.5	4.8	2.0	.0	.0	.0	.0	.0
		15th	.0	.3	2.1	4.0	5.3	3.3	.8	.0	.0	.0	.0	.0
TAYLOR GREEN	5740	1st	0	.2	4.0	8.0	13.3	18.8	22.4	9.3	.0	.0	.0	.0
		15th	.0	1.1	5.9	11.4	15.8	20.4	17.8	2.5	.0	.0	.0	.0
THREE CREEKS MEADOW	5650	1st	.0	.2	3.2	6.9	12.7	14.6	17.1	12.8	1.5	.0	.0	.0
		15th	.0	.9	4.7	8.3	14.3	17.4	18.8	9.8	.4	.0	.0	.0
TIPTON	5150	1st	0	.3	3.0	6.7	10.6	13.7	15.9	4.9	.0	.0	.0	0
		15th	.0	.9	4.7	8.6	11.9	14.7	12.5	2.1	.0	.0	.0	0
WOLF CREEK	5700	1st	0	.4	3.4	6.8	11.3	14.8	16.8	10.5	.2	.0	.0	0
		15th	.0	1.1	5.1	9.2	12.8	15.8	16.9	3.7	.0	.0	.0	.0

* - Average not established. C-Conditional Average (based on less than 25 years of data)

Snow Course SWE Averages: 1961-1990 (inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY 1st	JANUARY 15th	FEBRUARY 1st	FEBRUARY 15th	MARCH 1st	MARCH 15th	APRIL 1st	APRIL 15th	MAY 1st	MAY 15th	JUNE 1st	JUNE 15th
ALDER CREEK	5460			6.1		7.7		8.2					
ALTHOUSE #2	4530			4.5		5.1		6.2					
ALTHOUSE #3	5000			15.5		23.4		25.3					
ANEROID LAKE #2	7300	11.2		20.8		26.2		32.1		33.8			
ANNIE SRINGREV	6120	18.0		27.5		35.9		44.2		42.0		23.4	
ANTHONY LAKE	7130	10.9		16.8		22.1		27.1		31.2			
ARBUCKLE MTN.	5400	3.8		7.2		8.8		9.5		2.8			
BALD MTN,OR AM	6720			16.1		20.6		25.7		21.7			
BALD PETER	5400	12.1		20.6		27.4		32.1		31.5		22.0	
BARLEY CAMP AM	6900			11.0		16.0		18.2					
BEAR FLAT MEADOW AM	5900			7.0		9.6		10.9					
BEAVER CREEK #1	4250			12.1		15.1		15.3					
BEAVER CREEK #2	4250			8.7		11.5		11.1					
BEAVER DAM CREEK	5100	6.2		9.4		11.2		10.9		6.8			
BIG RED MTN	6250			18.6		24.0		29.7					
BIG SHEEP AM	6200			18.4		23.0		25.3		21.1			
BOULDER CREEK AM	5690			2.0		3.2		1.1					
BROOKS MEADOW	4300			5.8		9.6		9.6					
BUCK PASTURE AM	5700			1.4		1.9		1.5					
BUCKSKIN LAKE AM	5200			.6		.3		.1					
BULLY CREEK AM	5300			2.3		1.7		.6					
CALIBAN ALT	6500			18.3		24.5		29.7		30.8			
CALL MEADOWS AM	5340			3.0		3.6		2.5					
CAMAS CREEK #2	5850	4.9		7.8		10.3		10.0		3.4			
CAMAS CREEK #3	5850	5.7		9.2		12.0		11.6		4.0			
CHILOQUIN	4190	1.2		2.2		.9		.0					
CLACKAMAS LAKE REV	3400			5.8		9.2		9.1					
CLEAR LAKE	3500	2.9		6.5		7.5		7.4		4.7		.3	
COLVIN CREEK AM	6550			4.0		4.8		4.4					
COX FLAT AM	5750			5.6		7.0		5.5					
CRAZYMAN FLAT AM	6100			6.3		8.4		9.6		5.0			
CRYSTAL	4200	3.6		6.2		5.9		4.0					
DEADHORSE GRADE	3700	5.0		9.0		10.9		13.4		9.1			
DEADWOOD JUNCTION	4600	4.2		6.3		7.4		6.4		1.7			
DERR	5670			7.4		9.4		9.3					

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Snow Course SWE Averages: 1961-1990 (inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
		1st	15th	1st	15th	1st	15th	1st	15th	1st	15th	1st	15th
DOG HOLLOW AM	4900			1.1		.7		.4					
DOOLEY MOUNTAIN	5430	3.5		5.9		7.7		7.5		1.4			
EAST EAGLE	4400												
ELDORADO PASS	4600	1.9		3.2		3.1		1.0		.0			
FINLEY CORRALS AM	6000			11.5		14.5		15.3		8.5			
FISH CREEK REV	7900			18.7		22.0		27.5					
FLAG PRAIRIE AM	4750			3.6		4.0		2.1					
FT. KLAMATH	4150	2.1		3.4		3.0		1.2					
GERBER	4850	1.3		2.2		1.8		.5					
GOODRICH LAKE	6780	21.1		25.8		32.8		35.5		40.0			
GOVERNMENT CORRALS	7450			7.4		10.8		14.0					
GRAYBACK PEAK	6000	8.7		14.4		17.9		21.9					
HARRIMAN LODGE	4200	2.1		4.0		3.5		1.4					
HART MOUNTAIN AM	6350			1.3		1.6		1.2					
HIGH PRAIRIE	6100			27.5		33.3		45.1					
HOWARD PRAIRIE	4500	4.1		6.4		7.9		6.5		1.8			
HUNGRY FLAT	4400	2.5		4.8		3.7		1.9		.0			
KING MTN #1	4500	4.1		5.5		6.2		5.9		2.9			
KING MTN #2	4000	3.2		3.9		4.3		4.2		1.4			
KING MTN #3	3650	1.3		.6		1.1		.8		.0			
KING MTN #4	3050	.3		.1				.0					
LIONSHEAD AM	5400	6.7		9.7		14.7		14.8		7.7			
LITTLE ALPS	6200	5.4		8.6		11.3		14.1		13.5			
LITTLE ANTONE (ALT)	5000	3.9		6.3		8.4		8.0		1.9			
LOOKOUT BUTTE AM	5650			3		.3		.0					
LOUSE CANYON AM	6440			4.3		4.5		5.1					
LOWER PINNACLE	3280												
MARKS CREEK	4540	2.3		3.2		3.3		1.5		.1			
MARY'S PEAK REV	3620			5.0		6.7		9.1					
MCKENZIE	4800	17.9		27.5		35.5		41.8		43.6			
MEACHAM	4300	3.7		7.3		8.8		8.0		2.1			
MILL CREEK MDW	6200			8.1		10.8		10.0					
MIRROR LAKE AM	8200			46.3		56.7		69.1		76.2		52.6	
MT ASHLAND SWBK.	6400			21.9		27.7		33.7		33.1			
MT HOOD	5400	29.4		43.6		54.0		64.6		67.4		34.7	

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Snow Course SWE Averages: 1961-1990 (inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY 1st	JANUARY 15th	FEBRUARY 1st	FEBRUARY 15th	MARCH 1st	MARCH 15th	APRIL 1st	APRIL 15th	MAY 1st	MAY 15th	JUNE 1st	JUNE 15th
NEW CRESCENT LAKE	5400			9.5		11.2		11.6		5.1			
NEW DUTCHMAN #2	6400	21.6		33.1		42.0		49.4		49.8		35.5	
NEW DUTCHMAN #3	6400	25.3		37.5		47.0		54.6		55.3			
NORTH UMPQUA	4220	5.5		9.4		11.2		10.8		4.2			
OREGON CANYON AM	6950			4.5		5.3		5.5					
PAGE MTN	4050			2.2		2.3		2.5					
PARK H.Q. REV	6550	25.4		38.1		48.0		60.0		60.0		42.6	
PASSAGEWAY AM	4660												
PATTON MEADOWS AM	6800			11.2		15.0		17.7		13.1			
PUEBLO SUMMIT AM	6800			1.2		1.0		.0					
QUARTZ MOUNTAIN	5320	2.6		4.6		5.3		3.8		.6			
RACING CREEK	4800	6.1		10.9		13.7		16.5		8.1			
RED BUTTE #1	4560	4.8		7.6		9.7		12.3		8.4			
RED BUTTE #2	4000	2.8		4.9		6.4		7.7		3.3			
RED BUTTE #3	3500	1.6		2.4		3.2		3.2		.5			
RED BUTTE #4	3000	1.0		1.4		1.3		1.4					
ROGGER MEADOWS AM	6500			8.4		11.4		11.8					
SCHNEIDER MEADOWS	5400	12.6		21.3		27.1		30.6		25.2			
SHERMAN VALLEY AM	6600			7.9		11.0		12.0					
SILVER BURN	3720	5.4		8.7		10.3		9.2		1.8			
SILVIES	6900	5.1		8.4		11.6		14.6					
SISKIYOU SUMMIT REV	4630	3.1		5.3		5.4		3.5					
SKI BOWL ROAD	6000			18.4		23.4		27.7		23.6			
SKID ROAD	4240												
SOUTH FORK CANAL	3500	1.8		2.4		1.9		.6					
STANDLEY AM	7400			19.6		26.1		33.1		34.9		9.9	
STINKING WATER	4800	1.8		2.5		2.5		.9		.2			
SUMMER RIM	7100			12.7		13.7		16.2					
SYCAN FLAT AM	5500			5.2		5.6		3.8					
TANGENT	5400	9.6		15.7		19.9		21.0		11.8		1.1	
THREE CREEK BUTTE	5200			7.6		8.5		7.3		1.8			
TIMOTHY LAKE	3300	5.7		8.3		11.6		13.2		12.4			
TIPTON	5100	5.1		8.0		9.5		9.3		1.5			
TOLLGATE	5070	9.9		17.1		22.2		26.2		17.6		2.9	
TRAP CREEK	3800	4.7		7.9		9.6		8.7		3.7			

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Snow Course SWE Averages: 1961-1990 (inches)

SNOW COURSE NAME	ELEV. (ft.)	JANUARY		FEBRUARY		MARCH		APRIL		MAY		JUNE	
		1st	15th	1st	15th	1st	15th	1st	15th	1st	15th	1st	15th
TROUT CREEK AM	7800			5.9		8.7		10.4					
TV RIDGE #2 AM	7000			12.0		16.8		21.7		21.7			
UPPER PINNACLE	3620												
V LAKE AM	6600			4.6		6.2		7.6					
WEST EAGLE MEADOWS	5500			21.8		28.8		27.4		20.0			
WHITEWATER MEADOW AM	4160	3.6		3.4		3.6		1.4		.1			

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Monthly Precipitation Averages: 1961 - 1990 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
ANEROID LAKE #2	7300	3.7	6.1	5.4	5.8	5.7	5.7	4.4	5.4	3.9	2.9	2.1	3.1	54.2
ARBUCKLE MTN	5400	1.9	4.9	5.0	4.7	5.0	5.1	3.6	3.3	2.2	1.0	.8	1.4	38.9
BEAVER RESERVOIR	5150	1.7	4.0	3.7	3.4	3.2	3.4	2.6	2.7	2.2	.8	1.5	1.5	30.7
BIG RED MOUNTAIN	6250	3.4	9.3	8.9	6.3	7.5	7.5	4.0	3.4	2.0	.8	.6	1.9	55.6
BIGELOW CAMP	5120	5.0	13.1	10.4	7.7	9.4	9.7	4.5	3.7	2.1	.3	.5	1.5	67.9
BILLIE CREEK DIVIDE	5300	4.3	9.5	9.2	5.3	6.9	6.4	4.7	2.6	2.2	1.4	.5	2.2	55.2
BLAZED ALDER	3650	8.1	18.4	14.6	18.3	15.1	12.1	9.3	5.6	4.2	2.5	2.0	5.5	115.7
BLUE MOUNTAIN SPRING	5900	2.3	5.3	5.2	5.0	5.6	4.8	2.7	2.8	2.3	.8	1.2	1.4	39.4
BOURNE	5800	1.6	4.5	4.8	4.7	4.5	4.2	2.5	2.6	2.3	1.2	1.3	1.1	35.3
BOWMAN SPRINGS	4580	1.5	3.5	3.7	3.3	2.9	3.2	2.3	2.3	1.6	.7	1.1	1.3	27.4
CASCADE SUMMIT	4880	3.5	11.4	9.6	8.6	8.5	7.4	5.5	3.6	3.2	1.5	.7	2.9	66.4
CHEMULT ALTERNATE	4760	1.0	5.1	4.2	3.3	4.2	4.0	1.6	1.6	.8	.6	.6	1.2	28.2
CLACKAMAS LAKE	3400	3.4	9.1	8.0	7.8	7.0	4.7	3.4	2.1	1.9	.7	1.0	2.2	51.3
CLEAR LAKE	3500	3.0	7.4	7.1	6.7	6.5	4.3	3.1	2.1	1.9	.8	.5	2.1	45.5
COLD SPRINGS CAMP	6100	3.7	10.5	9.8	7.3	8.0	7.3	4.4	3.1	1.3	.9	.9	2.3	59.5
COUNTY LINE	4800	1.4	2.7	3.0	2.4	2.9	3.3	2.2	2.8	2.0	1.1	1.2	1.3	26.3
DALY LAKE	3600	5.5	14.7	13.0	10.5	11.9	9.4	6.4	5.1	4.3	1.7	1.0	3.7	87.2
DERR.	5670	1.6	3.9	4.1	3.9	3.5	4.3	2.9	2.7	1.1	.8	.9	.9	30.6
DIAMOND LAKE	5315	3.2	9.1	7.3	5.3	6.5	6.4	3.7	2.5	1.4	1.0	.8	1.7	48.9
EILERTSON MEADOWS	5400	1.3	4.0	3.7	4.0	3.6	4.1	1.9	2.3	1.8	1.2	1.3	1.1	30.3
EMIGRANT SPRINGS	3925	2.1	4.7	4.0	5.1	4.2	4.7	3.2	2.5	2.0	1.2	.6	1.8	36.1
FISH CREEK	7900	3.1	6.7	5.6	5.2	6.2	6.3	4.5	3.9	2.0	.8	1.5	1.6	47.4
FISH LK.	4665	3.2	7.5	6.7	5.0	5.3	6.4	4.0	3.3	2.6	1.5	.5	2.3	48.3
FOURMILE LAKE	6000	3.3	8.9	9.3	7.1	7.4	6.6	4.2	3.0	1.5	.6	.5	1.4	53.8
GOLD CENTER	5340	1.1	3.7	3.2	3.0	2.8	3.4	2.1	2.9	2.1	1.3	1.1	1.1	27.8
GREENPOINT	3200	4.7	12.6	12.7	11.1	10.6	8.8	5.2	4.4	3.2	.5	.8	2.6	77.2
HIGH RIDGE	4980	2.5	6.7	7.0	7.0	6.2	6.1	4.0	3.8	2.7	.9	.8	1.8	49.5
HOGG PASS	4760	5.0	14.1	14.3	12.9	10.6	9.6	6.8	4.3	3.1	1.0	1.8	2.9	86.4
HOLLAND MEADOWS	4900	5.1	12.3	11.4	9.4	9.5	9.2	7.2	4.6	3.6	2.0	1.1	3.0	78.4
IRISH TAYLOR	5500	4.8	10.8	9.2	8.3	9.4	7.9	6.0	4.0	2.3	1.5	1.1	2.3	67.6
JUMP OFF JOE	3500	5.4	13.5	12.1	9.8	11.1	9.2	6.7	6.1	3.9	1.6	1.1	3.3	83.8
KING MOUNTAIN	4000	4.0	11.8	10.9	7.7	9.1	8.6	4.6	3.1	1.5	.9	1.0	1.6	64.8
LAKE CREEK R.S.	5200	1.5	4.4	3.7	3.4	3.2	3.0	1.7	1.5	1.3	.5	1.0	1.0	26.2
LITTLE MEADOWS	4000	7.5	18.4	16.7	15.7	13.5	11.0	8.2	6.1	4.6	1.6	1.1	4.6	109.0
LUCKY STRIKE	5050	2.1	4.1	3.6	3.4	3.3	4.0	2.6	3.1	1.8	.8	1.3	1.2	31.3

* - Average not established. C-Conditional Average (based on less than 25 years of data)

Monthly Precipitation Averages: 1961 - 1990 (inches)

SNOTEL SITE NAME	ELEV. (ft.)	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	TOTAL
MADISON BUTTE	5250	1.3	2.7	2.6	2.2	2.6	3.5	2.4	2.3	1.2	.7	.7	1.1	23.3
MARION FORKS	2600	5.4	15.1	13.9	11.4	10.5	9.0	5.6	5.4	3.2	1.4	.9	2.3	84.1
MCKENZIE	4800	7.0	13.8	14.8	14.2	11.4	10.3	8.9	5.3	3.9	1.3	1.7	3.9	96.5
MOSS SPRINGS	5850	3.1	6.6	5.1	6.2	5.6	6.8	4.6	4.8	3.2	1.2	1.7	2.3	51.2
MT HOOD TEST SITE	5400	6.8	17.7	13.8	15.2	14.4	11.9	9.3	5.8	4.4	2.6	1.7	5.2	108.8
MT. HOWARD	7910	2.5	5.7	4.7	4.8	4.9	5.7	4.2	5.4	3.1	1.2	1.9	2.5	46.6
MUD RIDGE	3800	3.8	10.2	10.0	8.1	8.8	6.0	5.6	3.3	2.2	1.4	1.3	2.7	63.4
NEW CRESCENT LAKE	4800	2.0	6.8	7.2	4.9	5.8	4.5	2.0	1.8	1.8	.9	.7	1.4	39.8
NORTH FORK	3120	8.8	22.5	18.7	19.5	16.2	14.6	9.1	7.6	5.4	2.5	2.1	5.4	132.4
OCHOCO MEADOWS	5200	1.6	4.3	2.7	3.5	3.4	3.7	2.2	2.0	1.4	1.4	.8	1.0	28.0
PEAVINE RIDGE	3500	3.9	11.1	9.0	8.7	7.7	7.0	4.6	3.6	2.5	1.2	1.2	2.7	63.2
QUARTZ MOUNTAIN	5700	1.5	3.7	3.7	2.6	2.6	3.5	2.5	1.5	1.3	.7	.5	1.1	25.2
RAILROAD OVERPASS	2750	3.9	9.3	7.9	6.5	7.0	6.6	4.7	3.6	3.2	1.4	1.5	2.5	58.1
RED HILL	4400	6.0	16.3	16.3	15.0	14.9	11.8	8.4	4.7	5.4	1.4	.8	2.6	103.6
ROARING RIVER	4900	4.8	10.8	11.5	10.1	8.4	8.1	5.8	4.0	2.8	1.1	1.4	2.9	71.7
ROCK SPRINGS	5100	1.0	2.6	2.5	1.5	2.4	2.2	1.1	1.5	1.1	.6	.9	.9	18.3
SADDLE MOUNTAIN	3250	7.4	17.3	16.1	14.5	13.6	10.9	6.1	3.7	3.2	1.5	1.2	3.2	98.7
SALT CREEK FALLS	4000	4.6	12.3	12.0	8.4	8.9	8.6	6.3	4.5	4.4	1.3	1.9	2.9	76.1
SANTIAM JCT.	3750	5.2	11.9	12.4	10.6	9.2	8.5	5.7	3.9	2.4	1.0	1.6	3.3	75.7
SCHNEIDER MEADOWS	5400	2.2	7.0	7.1	7.0	6.7	6.3	2.6	2.7	2.2	.9	1.3	1.5	47.5
SEINE CREEK	2000	5.6	13.1	10.6	10.8	10.7	8.7	4.5	3.2	2.4	.8	.7	1.9	73.0
SEVENMILE MARSH	6200	3.9	11.3	9.3	7.9	9.1	8.8	5.0	4.0	2.6	.9	.6	2.4	65.8
SILVER CREEK	5720	1.6	5.0	4.2	3.2	3.7	3.6	1.7	1.4	1.2	.8	.9	1.2	28.5
SILVIES	6900	2.0	3.3	3.1	3.0	3.6	4.6	2.3	2.5	1.8	.5	.8	1.2	28.7
SNOW MOUNTAIN	6220	1.9	4.1	3.8	3.4	3.5	4.6	2.9	2.5	1.2	..4	.6	1.2	30.1
STARR RIDGE	5300	1.1	2.7	3.0	2.3	2.4	2.9	1.5	2.0	1.4	.7	.9	1.0	21.9
STRAWBERRY	5760	1.4	3.2	3.5	2.8	2.7	3.5	1.9	1.4	1.0	.6	.5	.8	23.3
SUMMER RIM	7100	1.7	4.0	3.6	3.2	3.6	4.5	2.8	1.9	1.2	.9	1.2	1.2	29.8
SUMMIT LAKE	5600	4.1	11.8	10.4	9.1	9.1	9.0	6.5	4.8	3.0	1.6	1.1	2.9	73.4
TAYLOR BUTTE	5100	1.7	3.5	3.4	2.8	2.7	2.9	1.5	1.5	.9	.7	.7	.9	23.2
TAYLOR GREEN	5740	2.3	5.2	4.8	5.2	5.5	4.8	3.1	2.5	1.9	1.0	1.0	2.1	39.4
THREE CREEKS MEADOW	5650	2.1	7.4	7.8	5.7	5.7	4.2	3.0	1.6	1.4	1.1	.9	1.0	41.9
TIPTON	5150	1.1	3.9	4.1	3.5	3.3	3.1	1.7	1.9	1.7	.9	1.1	.9	27.2
WOLF CREEK	5700	1.4	4.1	4.1	4.2	3.8	3.4	2.7	2.1	2.1	.8	1.1	1.0	30.8

* - Average not established. C-Conditional Average (based on less than 25 years of data)

Glossary:

A, Accumulated — Data value summed over several previous measurement periods.

AM, Aerial Marker — A vertical marker with equally-spaced crossbars at one- and two-foot increments. The depth of snow at these remote sites is determined by observation from low-flying aircraft. Snow water equivalent is calculated using measurements of snowpack density from nearby snow measurement sites.

Average — The mean value for a 30-year base period. The 30-year average is the accepted standard set by the World Meteorological Organization. The current base period is 1961-1990. A new 30-year average is calculated every 5 years. Standard averages are computed for sites having at least 25 years of data.

Basin — The major drainage area in which a measuring site is located.

Conditional Average — An average based on less than 25 years of data.

D, Disc., Discontinued — Site is no longer active and data collection has been discontinued.

Data — Refers to snow water equivalent or precipitation amounts.

E, Est, Estimate — Data value developed from a long-term correlation with a currently measured site. Estimates are provided when a site has been discontinued or a manual measurement was not made.

Elevation — The vertical reference of a site location above mean sea level, measured in feet.

Max Date, Maximum Date — The date when the snow water equivalent of the seasonal snowpack was at its highest prior to melting.

Max SWE, Maximum Snow Water Equivalent — The highest recorded value of snow water equivalent for the seasonal snowpack, in inches.

Meltout Date — The date when the seasonal snowpack was completely melted at a snow measuring site.

Months — Month names that head data columns in this report indicate:

1. Snow depth and snow water equivalent measurements that are usually taken near the end or middle of the month, and reported as first of month or fifteenth of month readings. This explains why, for example, a February 27 and a March 15 reading are shown under the March column.
2. Precipitation increment or catch measured during the month indicated.

Glossary:

Precipitation	The liquid equivalent (inches) of rainfall, snow, sleet, or hail, collected by precipitation storage gauges.
Seasonal Snowpack	The snowpack that typically starts accumulating in the fall or early winter and remains until meltout occurs the following spring or summer. This does not include the intermittent snowpacks that occasionally occur in the early fall or early summer.
SNOTEL	Abbreviation for SNOwpack TELemetry. A west-wide system for obtaining snow water equivalent, precipitation, air temperature, and other hydrologic measurements from remote data sites via radio transmission.
Snow Course	A permanently marked data site where manual snow measurements are collected.
Site Number	An indexing/locating number based on alpha and numeric grid divisions. Refer to the Data Site Maps included with this report.
Snow Depth	An average of the vertical measurements of the depth of the snow measured at the snow course sample points and recorded to the nearest inch. Snow depth at aerial markers is estimated to the nearest half foot unless a ground measurement is made.
Start Date	The date when the seasonal snowpack first began to accumulate at a snow measuring site.
SWE, Snow Water Equivalent	The depth of water in the snowpack, if the snowpack were melted, expressed in inches.
WY, Water Year	The water year in North America is referred to as the twelve month period beginning October 1 in one year and ending September 30 of the following year. The water year is designated by the calendar year in which it ends.

The Following Agencies and Organizations Cooperate With the Natural Resources Conservation Service in Snow Survey Work:

State

Oregon Department of Water Resources
Oregon State University
Soil and Water Conservation Districts of Oregon

Federal

U.S. Department of Agriculture
- Extension Service
- Forest Service

U.S. Department of Army
- Corps of Engineers

U.S. Department of Commerce
- NOAA, National Weather Service

U.S. Department of Energy
- Bonneville Power Administration

U.S. Department of the Interior
- Bureau of Land Management
- Bureau of Reclamation
- Fish and Wildlife Service
- Geological Survey

Private

Pacific Power and Light Company
Portland General Electric Company
The Crag Rats, Hood River, Oregon
Confederated Tribes of Warm Springs

Local

Arnold Irrigation District
Associated Ditch Companies
Burnt River Irrigation District
Central Oregon Irrigation District
City of Baker
City of La Grande
City of Portland
City of The Dalles
City of Walla Walla
Douglas County Water Resources Survey
East Fork Irrigation District
Grants Pass Irrigation District
Hood River Irrigation District
Jordan Valley Irrigation District
Juniper Flat Irrigation District
Lakeview Water Users, Incorporated
Medford Irrigation District
Middle Fork Irrigation District
North Board of Control - Owyhee Project
Ochoco Irrigation District
Rogue River Valley Irrigation District
South Board of Control - Owyhee Project
Squaw Creek Irrigation District
Talent Irrigation District
Tumalo Project
Vale - Oregon Irrigation District
Warmsprings Irrigation District

Other organizations and individuals furnish valuable information for the snow survey reports. Their cooperation is gratefully acknowledged.

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